



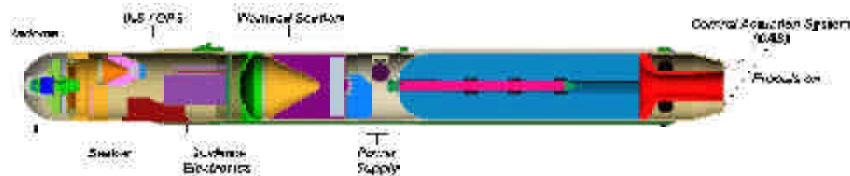


**MANEUVER  
& AVIATION  
BOS**

## JOINT COMMON MISSILE (JCM)

*Common Missile Project Office*

**MISSILE**



**SYSTEM DESCRIPTION:** The Joint Common Missile (JCM) is an air to surface weapon for use by joint and allied service manned and unmanned aircraft to destroy high value stationary, moving and relocatable land and naval targets. JCM is a joint program (DOD Pre-MDAP) with the Navy and USMC and is a Cooperative Development Program with the United Kingdom. JCM will be used on joint and allied service helicopters, fixed wing aircraft and Unmanned Aerial Vehicles (UAV) as an eventual replacement for the HELLFIRE, TOW and Maverick families of missiles. JCM has potential application for use on Army Future Force ground platforms. JCM provides a common, multi-mode weapon capable of satisfying the needs across the joint platforms. It will autonomously engage targets using line-of-sight (LOS) and beyond line of sight (BLOS) engagement capabilities, including precision strike and fire-and-forget technologies.

**SYSTEM CHARACTERISTICS:** Joint Common Missile (JCM) will be developed using an evolutionary acquisition approach. Operational requirements will be implemented through incremental upgrades matched with projected threats and available technology. Increment one of the missile will be seven (7") inches in diameter and weigh approximately 108 pounds and employ a multi-mode seeker to acquire and destroy high value threat targets from standoff range in day, night, adverse weather and obscured battlefield conditions. The missile's inherent ability to be employed from air and potential ground platforms provides increased operational flexibility, increased survivability (both missile and platform) while reducing the logistic footprint in theater. JCM will utilize modularity in software and subsystem design to provide for shelf life extension, enable technology insertion for future required capabilities and eventual demilitarization.

**SENSOR/SEEKER:** A multi-mode seeker (notionally: I2R, SAL, MMW) is planned for the Joint Common Missile (JCM). The three modes will meet both air and potential ground platform requirements, provide precision strike and fire-and-forget targeting, be fully effective against a variety of countermeasures in adverse weather, and provide for growth in automatic target recognition.

**WARHEAD:** A multi-purpose warhead to provide improved lethal effects against both heavy armored vehicles and an expanded, non-traditional target set as listed below.

**TARGET SETS:**

Combat Vehicles (Tanks, APCs), ADUs, and TEL Buildings, Bunkers, Patrol Craft and C3I nodes.

**PRIME CONTRACTORS:**

System Definition/Risk Reduction Contractors:

- Boeing – Huntsville, AL
- Lockheed Martin – Orlando, FL
- Raytheon – Tucson, AZ

**ACQUISITION PHASE**

Concept and Technology Development

**MILESTONES**

MS B – 2<sup>nd</sup> Qtr FY 04

MS C – 2<sup>nd</sup> Qtr FY 08

**FIELDING**

IOC: FY 09

**POINTS OF  
CONTACT**

PM .....	COL Jody Maxwell .....	jody.maxwell@msl.army.mil .....	(256) 876-1141
DPM .....	Mr. Bill Ruta .....	bill.ruta@msl.army.mil .....	(256) 876-1142
TRADOC HQS .....	Mr. Chris Pruitt .....	pruittc@monroe.army.mil .....	(757) 727-4280
G8 .....	Mr. Jack Gerber .....	harold.gerber@hqda.army.mil .....	(703) 693-3998
ASA(ALT) .....	LTC Reed Young .....	reed.young@us.army.mil .....	(703) 604-7224

# TRANSFORMATION STRATEGY

**NEAR-TERM**  
(FY04-08)

**MID-TERM**  
(FY09-15)

**MID/FAR-TERM**  
(FY12-23)

**Air**

TOW 2A



BASIC HELLFIRE



INTERIM HELLFIRE



HELLFIRE II



LONGBOW HELLFIRE



**Joint & Coalition**

MAVERICK



BRIMSTONE



**ROTARY & FIXED WING PLATFORMS**



**FUTURE FORCE GROUND PLATFORMS**



**Technology  
Insertion**

**Ultimate Objective:  
SINGLE MISSILE**



**TAILORED TO  
MEET JOINT &  
COALITION  
REQUIREMENTS**